[STN & Caplus]

STN Columbus

(FILE 'HOME' ENTERED AT 13:52:03 ON 15 MAR 2004)

FILE 'REGISTRY' ENTERED AT 13:52:10 ON 15 MAR 2004 L1 828770 S ?AMINE?/CNS AND ?METHYL?/CNS

FILE 'CAPLUS' ENTERED AT 13:52:44 ON 15 MAR 2004

L2 1244076 S ETCH? OR PATERN? OR REMOV?

L3 956659 S PLASMA? OR SPUTTER? OR CORONA? OR RIE OR MRIE OR MERIE OR (GL

L4 187513 S RIBE OR ION(3A)BEAM OR MILL OR MILLING? OR MILLED OR MILLS

L5 95350 S L2 AND (L3 OR L4)

FILE 'REGISTRY' ENTERED AT 13:54:21 ON 15 MAR 2004

L6 10250 S DMA/CNS OR MA/CNS OR TMA/CNS

FILE 'CAPLUS' ENTERED AT 13:54:45 ON 15 MAR 2004

L7 20332 S L5 AND L6

L8 269776 S DMA OR MA OR TMA OR ?METHYLAMIN?

L9 1200 S L5 AND L8

L10 7 S L5 AND ("(CH3)3N" OR "CH3NH2" OR "(CH3)2NH")

L11 1202 S L9 OR L10

L12 51757 S L2(10A)(L3 OR L4)

L13 652 S L11 AND L12

L14 2598492 S INDIUM OR GALLIUM OR ARSENIC OR ANTIMONY OR ALUMINUM OR TELLE

L15 270 S L13 AND L14

L16 107 S L15 AND (ETCH? OR PATERN? OR REMOV?)/TI

L17 26 S L15 AND (DMA OR TMA OR ?METHYLAMIN? OR L10)

FILE 'REGISTRY' ENTERED AT 14:04:51 ON 15 MAR 2004

L18 10314 S ?METHYLAMINE/CNS

FILE 'CAPLUS' ENTERED AT 14:05:50 ON 15 MAR 2004

L19 367 S L5 AND L18

L20 69 S L19 AND L14

L21 51 S L20 NOT L17

L22 7 S L21 AND (ETCH? OR PATERN? OR REMOV?)/TI

L23 44 S L21 NOT L22

L24 62 S L5 AND L14 AND (DMA OR TMA OR ?METHYLAMIN?)

L25 0 S L24 NOT (L14 OR L17 OR L23)

STN 8 Japio

STN Columbus

(FILE 'HOME' ENTERED AT 15:28:51 ON 15 MAR 2004)

| | FILE 'JAPIC | ' | ENTERED AT 15:29:01 ON 15 MAR 2004 |
|-----|-------------|----------|---|
| L1 | | | ETCH? OR PATERN? OR REMOV? |
| L2 | 2494 | S | METHYLAMIN? OR DIMETHYLAMINE? OR TRIMETHYLAMINE? |
| L3 | 87 | S | AMINE (5W) METHYL |
| L4 | | | L1 AND (L2 OR L3) |
| L5 | 353411 | S | RIBE OR BEAM# OR MILL? OR PLASMA? OR SPUTTER? OR CORONA? OR R |
| L6 | 3 | S | L4 AND L5 |
| L7 | 454 | S | AMINE (10A) METHYL |
| L8 | 36 | S | L7 AND L1 |
| L9 | 0 | S | L8 AND L5 |
| L10 | 216 | S | L4 NOT L6 |
| L11 | 27 | S | L8 NOT L10 |
| L12 | | | L10 NOT (L8 OR L6) |
| L13 | 3 | S | "(CH3)3N" OR "(CH3)2NH" OR "CH3NH2" |
| L14 | 1 | S | L1 AND L13 |

East & USPB, USPT)

| L Number | Hits | Search Text | DB | Time stamp |
|----------|---------|--|------------|------------------|
| 2 | 83724 | methylamine or dimethylamine or trimethylamine or dma or | USPAT; | 2004/03/15 15:46 |
| 2 | 03724 | tma | US-PGPUB | 200 1100 10:10 |
| 3 | 2123722 | etch\$ or patern\$ or remov\$ | USPAT; | 2004/03/15 15:46 |
| 3 | 2123722 | etchip of paternip of removip | US-PGPUB | 2004/00/10 10.40 |
| 4 | 654005 | plasma? or sputter\$ or corona? or rie or mrie or merie or | USPAT; | 2004/03/15 15:47 |
| 4 | 654895 | (glow near3 discharg\$) or (reactive near3 ion?) or ribe or | US-PGPUB | 2004/00/10 10.4/ |
| | | beam or mill??? | 00-1 01 05 | |
| _ | 110 | r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" or | USPAT; | 2004/03/15 15:49 |
| 5 | 110 | "rnh.sub.2." | US-PGPUB | 2004/03/13 13.43 |
| | - | "ch3nh2" or "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or | USPAT; | 2004/03/15 15:51 |
| 6 | 7 | "(ch.sub.3.).sub.2.nh" or "(ch.sub.3.).sub.3.n" | US-PGPUB | 2004/03/13 13.01 |
| _ | 60 | | USPAT; | 2004/03/15 15:51 |
| 7 | 69 | (etch\$ or patern\$ or remov\$) same (plasma? or sputter\$ or | US-PGPUB | 2004/03/13 13.31 |
| | | corona? or rie or mrie or merie or (glow near3 discharg\$) or | US-PGPUB | |
| | | (reactive near3 ion?) or ribe or beam or mill???) same | | |
| | | ((methylamine or dimethylamine or trimethylamine or dma or | | |
| | | tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" | | |
| | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | • | |
| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
| | 42040 | "(ch.sub.3.).sub.3.n")) | USPAT; | 2004/03/15 15:52 |
| 8 | 13916 | (etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or | US-PGPUB | 2004/03/13 13.32 |
| | | | 03-FGF0B | |
| | | (reactive near3 ion?) or ribe or beam or mill???) and ((methylamine or dimethylamine or trimethylamine or dma or | | |
| | | tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" | | |
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| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
| | 40047 | "(ch.sub.3.).sub.3.n")) | USPAT: | 2004/03/15 15:53 |
| 9 | 13847 | ((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or | US-PGPUB | 2004/03/13 13.33 |
| | | corona? or rie or mrie or merie or (glow near3 discharg\$) or | 03-76706 | |
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| : | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | | |
| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
| | | "(ch.sub.3.).sub.3.n"))) not ((etch\$ or patern\$ or remov\$) | | |
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| | | beam or mill???) same ((methylamine or dimethylamine or | | |
| | | trimethylamine or dma or tma) or ("r3n" or "r2nh" or "rnh2" or | | 1 |
| | | "r.sub.3.n" or "r.sub.2.nh" or "rnh.sub.2.") or ("ch3nh2" or | | |
| | | "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or | | |
| 10 | 545040 | "(ch.sub.3.).sub.2.nh" or "(ch.sub.3.).sub.3.n"))) | LICDAT | 2004/02/45 45:55 |
| 10 | 515210 | gan or inn or inp or inas or insb or ingaas or ingaasp or gap | USPAT; | 2004/03/15 15:55 |
| | | or gaas or gasb or alp or alas or alsb or algaas or algan or | US-PGPUB | |
| | | algainn or cds or cdse or cdte or hgs or hgte or mgs or mgse | | |
| | | or mgte or mns or mnse or mnte or pbs or pbse or pbte or | | |
| | | sns or snse or snte or zns or znse or znte or cdhgte | J | |

| 12 | 3803 | (((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactive near3 ion?) or ribe or beam or mill???) and ((methylamine or dimethylamine or trimethylamine or dma or tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.).sub.3.n"))) not ((etch\$ or patern\$ or remov\$) same (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactive near3 ion?) or ribe or beam or mill???) same ((methylamine or dimethylamine or trimethylamine or dma or tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.).sub.3.n")))) and (gan or inn or inp or inas or insb or ingaas or ingaasp or gap or gaas or gasb or alp or alas or alsb or algaas or algain or algainn or cds or cdse or cdte or hgs or hgte or mgs or mgse or mgte or mns or mnse or mnte or pbs or pbse or pbte or sns or snse or snte or zns or znse or znte or cdhgte) | USPAT; US-PGPUB | 2004/03/15 15:56 |
|----|-------|---|--------------------|------------------|
| 13 | 91800 | (etch\$ or patern\$ or remov\$) same (gan or inn or inp or inas or insb or ingaas or ingaasp or gap or gaas or gasb or alp or alas or alsb or algaas or algan or algainn or cds or cdse or cdte or hgs or hgte or mgs or mgse or mgte or mns or mnse or mnte or pbs or pbse or pbte or sns or snse or snte or zns or znse or znte or cdhgte) | USPAT; US-PGPUB | 2004/03/15 15:56 |
| 14 | 1590 | ((((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactive near3 ion?) or ribe or beam or mill???) and ((methylamine or dimethylamine or trimethylamine or dma or tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or "(ch.sub.3.).sub.3.n"))) not ((etch\$ or patern\$ or remov\$) same (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactive near3 ion?) or ribe or beam or mill????) same ((methylamine or dimethylamine or trimethylamine or dma or tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or "(ch.sub.3.).sub.3.n")))) and (gan or inn or inp or inas or insb or ingaas or ingaasp or gap or gaas or gasb or alp or alas or alsb or algaas or algan or algainn or cds or cdse or cdte or hgs or hgte or mgs or mgse or mgte or mns or mnse or mnte or pbs or pbse or pbte or sns or snse or snte or zns or znse or znte or cdhgte)) and ((etch\$ or patern\$ or remov\$) same (gan or inn or inp or inas or insb or ingaas or ingaasp or gap or gas or algan or algainn or cds or cdse or cdte or hgs or mgse or mnse or mnte or pbs or pbse or pbte or sns or alsb or algaas or algan or algainn or cds or cdse or cdte or hgs or hgte or mgs or mgse or mnte or pbs or pbse or pbte or sns or snse or snte or cdhgte)) | USPAT; US-PGPUB | 2004/03/15 15:56 |
| 11 | 26 | or znte or cdhgte)) ((etch\$ or patern\$ or remov\$) same (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactive near3 ion?) or ribe or beam or mill???) same ((methylamine or dimethylamine or trimethylamine or dma or tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or "(ch.sub.3.).sub.3.n"))) and (gan or inn or inp or inas or insb or ingaas or ingaasp or gap or gaas or gasb or alp or alas or alsb or algaas or algan or algainn or cds or cdse or cdte or hgs or hgte or mgs or mgse or mgte or mns or mnse or mnte or pbs or pbse or pbte or sns or snse or snte or zns or znse or znte or cdhgte) | USPAT; US-PGPUB | 2004/03/15 16:03 |

Search History 3/15/04 4:12:01 PM Page 2

| 15 | 16 | (((((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or | USPAT; | 2004/03/15 16:08 |
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| | | corona? or rie or mrie or merie or (glow near3 discharg\$) or | US-PGPUB | |
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| | | tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" | | |
| ì | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | | |
| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
| | | "(ch.sub.3.).sub.3.n"))) not ((etch\$ or patern\$ or remov\$) | | |
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| | | or mns or mnse or mnte or pbs or pbse or pbte or sns or | | |
| | | snse or snte or zns or znse or znte or cdhgte)) and ((etch\$ or | | |
| | | patern\$ or remov\$) same (gan or inn or inp or inas or insb or | | |
| | | ingaas or ingaasp or gap or gaas or gasb or alp or alas or | | |
| | | alsb or algaas or algan or algainn or cds or cdse or cdte or | | |
| | | hgs or hgte or mgs or mgse or mgte or mns or mnse or mnte | | |
| | | or pbs or pbse or pbte or sns or snse or snte or zns or znse | | |
| | | or znte or cdhgte))) and (etch\$ or patern\$ or remov\$).ti. | | |

| 16 | 1574 | (((((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or | USPAT; US-PGPUB | 2004/03/15 16:08 |
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| | | ((methylamine or dimethylamine or trimethylamine or dma or | | |
| | | tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" | | |
| | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | | |
| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
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| | | snse or snte or zns or znse or znte or cdhgte)) and ((etch\$ or | | |
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| | | alsb or algaas or algan or algainn or cds or cdse or cdte or | | |
| | | hgs or hgte or mgs or mgse or mgte or mns or mnse or mnte | | |
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| | | or znte or cdhgte))) not ((((((etch\$ or patern\$ or remov\$) and | | |
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| | | "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or | | |
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| | | sns or snse or snte or zns or znse or znte or cdhgte))) and | | |
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| 17 | 448 | ((((((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or | USPAT; | 2004/03/15 16:09 |
|----|-------|---|----------|------------------|
| | | corona? or rie or mrie or merie or (glow near3 discharg\$) or | US-PGPUB | |
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| | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | | |
| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
| | | "(ch.sub.3.).sub.3.n"))) not ((etch\$ or patern\$ or remov\$) | | |
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| | | "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or | | |
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| | | "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
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| | | "(ch.sub.3.).sub.3.n")))) and (gan or inn or inp or inas or insb | | |
| | | or ingaas or ingaasp or gap or gaas or gasb or alp or alas or | | |
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| 18 | 45441 | (etch\$ or patern\$ or remov\$) with (gan or inn or inp or inas or | USPAT; | 2004/03/15 16:10 |
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| 19 | 924 | ((((((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or | USPAT; | 2004/03/15 16:11 |
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| | | tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" | | |
| | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | | |
| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
| | | "(ch.sub.3.).sub.3.n"))) not ((etch\$ or patern\$ or remov\$) | | |
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| 20 | 2593 | ((methylamine or dimethylamine or trimethylamine or dma or | USPAT; | 2004/03/15 16:11 |
| | | tma) or ("r3n" or "r2nh" or "rnh2" or "r.sub.3.n" or "r.sub.2.nh" | US-PGPUB | |
| | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | | |
| | | "ch.sub.3.nh.sub.2" or "(ch.sub.3.).sub.2.nh" or | | |
| | | "(ch.sub.3.).sub.3.n")) with (etch\$ or patern\$ or remov\$) | | 1 |

| 21 | 24 | (((((((etch\$ or patern\$ or remov\$) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) | USPAT; US-PGPUB | 2004/03/15 16:11 |
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| | | or "rnh.sub.2.") or ("ch3nh2" or "(ch3)2nh" or "(ch3)3n" or | | |
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